National Aeronautics and
Space Administration
John C. Stennis Space Center
Stennis Space Center, MS 39529-6000

CONSTRUCTION PROJECT HAZARD ANALYSIS

General Information

The Construction Contractor, sub contractors are responsible for the completion of a Construction Hazard Analysis (CPHA). The CPHA is required at the start of every project. It is only completed once unless the job scope changes and modifications are necessary.

Company:	**Origination Date:**
Project Title:	**Expiration Date:**

☐ **Attach Copy of Management of Change Form (MOC), if work is performed in a process covered under the Process Safety Management Standard.**

APPROVALS - Sign below to indicate approval of this CPHA

All affected Construction Supervisors and Applicable Trades	Construction Manager or Designee

Bldg., Area, & Process Description:

Start with a general description of the building, area, and process. Then more specifically detail the locations affected by the work to be done.

Purpose & Description of Work:

Describe why the work is being done. Then describe what will be done and how.

Precautions and Instructions:

The following section will provide a brief description of a few safety and health requirements and instructions. It does not take the place of the NASA SSC Construction Safety and Health work instruction which should be referenced for more detail.

NOTE: If the nature or scope of work or area conditions change, or if any unique or unplanned hazards arise, the affected work must be halted until this CPHA can be evaluated by its endorsers.

NOTE: Stop Work Activity: All employees and subcontractors have the authority and responsibility to stop any work that is judged to be immediately dangerous to life and health (IDLH). **(SSP-8715-0001, Section 2.8)**

NOTE: Accident Reporting: A NASA Mishap Report (Form 1627) is required for all incidents (including first aid) and close calls within the first 24 hours of any accident. Notification of Security and the NASA SSC S&MA Construction Safety Manager is required immediately after any incident. **(SCWI-8715.0008, Section 6.7)**

NOTE: Confined Space Entry: The NASA SSC Confined Space Permit shall be used. Contact the construction and Contracting Officer Technical Representative for a confined space permit. **(SCWI-8715.0008, Section 9.2)**

NOTE: Hot Work: A hot work permit shall be requested from the SSC Fire Department for any activity where there is a source of ignition. **(SCWI-8715.0008, Section 9.4)**

NOTE: Safe atmospheric verifications: Prior to any work being done in a hazardous or a potentially hazardous atmosphere, i.e. Confined Space, Process Safety Management Covered Processes, a competent person shall perform all necessary atmospheric tests using a properly calibrated instrument. **(SSP-8715.0001, Section 3.4)**

NOTE: Lightening Alerts: Lightening warnings will be announced when lightening is detected within five (5) miles of SSC. All personnel must seek shelter in approved locations. Operations under way at the time will be secured and personnel will seek shelter. **(SSP-8715-0001, Section 3.5)**

NOTE: Trenches/Excavations: All trenching/excavation work deeper than 12 inches requires a dig permit. All trenches/excavations deeper than four (4) feet with personnel entering, the dig permit shall be reviewed and approved by the SSC representative. All trenches/excavations shall be evaluated to determine if they will meet the classification of a permit-required confined space. The dig permit is valid only when all required signatures are present on the form. **(SCWI-8715.0008, Section 9.25)**

NOTE: Personal Protective Equipment: Minimum PPE requirements on construction sites shall be hard hat, safety glasses with side shields and safety footwear. Goggles, face shields, protective clothing and other PPE shall be worn in accordance with the activity and requirements. **(SCWI-8715.0008, Section 9.3)**

NOTE: Electrical Safety: A lock and tag are required when servicing or maintaining equipment where the unexpected release of energy could result in injury to personnel, facilities or the environment. Work on or near live electrical equipment requires an electrical permit. **(SCWI-8715.0008, Section 9.7)**

NOTE: Fall Protection: Fall protection is required for all work above six (6) feet in height. A safety monitoring system in not an acceptable fall protection system for small low slopped/flat roofs at SSC. **(SCWI-8715.0008, Section 9.9)**

NOTE: Material Safety Data Sheets: Contractors shall provide to SSC all MSDS for materials that are brought on SSC property. MSDS must be available for review at the job site. **(SCWI-8715.0008, Section 9.12)**

NOTE: Scaffolding: All scaffolding must be inspected by NASA Safety prior to initial use and by the contractors scaffold competent person prior to every shift using the SSC's tagging system. **(SCWI-8715.0008, Section 9.28)**

NOTE: Traffic Control Plan: A traffic control plan shall be submitted to NASA Safety for review when working within 15 feet of a traveled roadway. **(SSP-8715-0001, Section 2.9.1)**

NOTE: Communication Devices: Use of a communication device (cell phone, radio) by the driver of any vehicles is prohibited unless the vehicle is safely parked or the driver is using a hands-free device. **(SSP-8715-0001, Section 2.9.1)**

NOTE: All Contract personnel shall have completed NASA SSC safety orientation. **(SCWI-8715.0008, Section 6.3.1)**

NOTE: A List of all contractor chemicals and matching MSDS sheets shall be submitted to the IH Department by the Project Manager for review before work starts. Seven working days notice is preferred. **(SCWI-8715.0008, Section 9.12)**

NOTE: Disposal of waste & debris must be coordinated with NASA SSC's Environmental Service Department. **(SCWI-8715.0008, Section 9.16)**

NOTE: Failure to observe any of these rules or industry standards and regulations may result in immediate and permanent discharge from the job-site. **(SCWI-8715.0008, Section 6.2)**

Reminder: Mishap Exposure Reports: Mishap Exposure reports shall be completed by each contractor and subcontractor after the close of each calendar month

Hazard Analysis

The purpose of this section is to list the recognized hazards associated with each of the phase of work or activity. As work or activities are identified, it will be necessary to write down the hazards associated with the task and what recommended controls will be followed to prevent a Mishap, Property Damage or a Close Call. To complete this section, it is advised that all the tasks for the day be listed first. Do not start identifying the hazards and recommended controls until all the work and/or activities are listed. When identifying hazards, consider all the possible ways someone could get hurt in performing or working in the area of the task. Recommended controls should first involve a look at what OSHA regulations require, then NASA SSC requirements, then best safe practice.

Construction Project Hazard Analysis

Job Name:	Location:	Facility:
Contractor:	Analyzed By:	Date:
Subcontractors:	Reviewed By:	Date:

Phase of Work or Activity	Potential Hazards	Recommended Controls

Signature of Preparer